

## MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES ONSITE SEWAGE PROGRAM REGISTERED OWTS PROFESSIONALS CEU EXERCISE

## **OWTS Management Tools - Questionnaire #111**

For Continuing Education Unit (CEU) credit, read the linked documents, complete the following questionnaire and return the completed questionnaire

September 2008 Available for a limited time

CEU

•	er mailing to DHSS, Onsite Sewage Program, P.O. Box 570, Jefferson 10 65102, or faxing to 573-526-7377.		Inst	Insp	OSE	Perc Test				
Control Panels, (PDF 5 pp, 735KB):										
	www.epa.gov/owm/septic/pubs/septic_fs_control_panels.pdf									
Septic Tank Effluent Screens, (PDF 4 pp, 116KB):										
http://v	http://www.epa.gov/owm/septic/pubs/effluentscreens.pdf									
	Meters, (PDF 3 pp, 101KB)									
	http://septic.umn.edu/prod/groups/cfans/@pub/@cfans/@ostp/documents/asset/cfans_asset_125500.pdf									
	n Drains, (PDF 2 pp, 177 KB)		_							
www.c	hss.mo.gov/Onsite/OnsiteInstallerHighWaterArticle.pdf	2.5		<b>V</b>	<i>V</i>	<b>/</b>				
		TOTAI	L POSS	SIBLE	2.5 E: 2.5	CEUs				
7										
1,	Last First Middle Initial	Prof	essional II	Number	r(s)					
la anna a	and the decommentalisted above and completed the following avertions.									
nave r	ead the documents listed above and completed the following questions:									
	Signature Contact Phone Number			Date						
		4 0								
Individual Sewage Treatment Systems Fact Sheet Series										
	Water Meters									
1	Water maters are designed to deal with	wh	iah maa	na tha	t that	7				
1.	. Water meters are designed to deal with, which means that they					<i>(</i>				
	function properly if they are used to measure the flow of sewage.									
2			414		14	.: 1 - C				
2.	Clean water meters should be used to measure the water used in the ho			er use	a outs	side for				
	lawns, gardens, washing cars, etc. If a meter can't be installed you can	do wna	it?							
-		2								
3.	What are two alternative devices that can be used to measure water usa	ge?								
#111	Lot Evet Mill. Little		N							
	Last First Middle Initial	ID .	Number							

2.	2. Discuss the benefits of a programmable timer.	
	c. Audible and Visual Alarm	
	b. Redundant Off/Low Level Alarm Relay	
1.	a. Fuse disconnect	
1	Decentralized Systems Technology I Control Panel  1. Briefly discuss the following components in a typical control par	
	c. 0.0017 cubic feet per second gal	
5.	5. Water meters measure flow in either gallons per minute, gallons the three meter readings below, calculate the gallons per day of u a. 0.264 gallons per minute gallons per hour gallons per hour	isage: llons per day
	b	
	a	

3. What should be included in the control panel that provides instructions and information regarding the intended function of each component?

4.	What are intrinsically safe control relays?					
5.	Where is it recommended that control panels be located?					
	Decentralized Systems Technology Fact Sheet Septic Tank Effluent Screens					
1.	If trying to convince an owner to allow you to install an effluent screen, what one advantage would you use as the basis for your "argument"?					
2.	It is noted in this fact sheet that a "biomat" may develop on the effluent screen. What benefit would thave?					
3.	What two design considerations are discussed?					
11 .	Last First Middle Initial ID Number					
4	In order to maintain the affluent screen					

	What is the flow area of an effluent screen and why is it important when selecting a screen?					
	High Water – (Curtain Drains)					
Fi	ll in the blanks:					
	Curtain drains maybe an option for sites where a high high					
2. ex	Separation is necessary to provide flow and to enable change, which results in effective treatment of the					
3.	Discuss three concerns with installing the curtain drain outlet.  a)					
	b)					
	c)					
4.	Study the first diagram (3 – 10% land slope recommended), and explain what effect increased dista from the curtain drain has on drainage of saturated soil.					
5.	Curtain drains can often help improve the function of onsite systems; however, when attempting to lower the seasonal water table, remember to approach the use of drains, and only in an where they will achieve the desired result.					
	Curtain drains can often help improve the function of onsite systems; however, when attempting to lower the seasonal water table, remember to approach the use of drains, and only in an					
11	Curtain drains can often help improve the function of onsite systems; however, when attempting to lower the seasonal water table, remember to approach the use of drains, and only in an where they will achieve the desired result.					
11	Curtain drains can often help improve the function of onsite systems; however, when attempting to lower the seasonal water table, remember to approach the use of drains, and only in an where they will achieve the desired result.  Last First Middle Initial ID Number					

If fax number is not available, confirm your mailing address:										
Address										
City	State	Zip								